

II. SPECIFICATION AMENDMENTS

On page 1, line 1, please replace the title with the following:

~~NETWORK ELEMENT~~

a1
--A NETWORK ELEMENT AND METHOD FOR CONTROLLING ACCESS TO LOW
LEVEL COMPUTER SYSTEM SERVICES--

Please replace the paragraph beginning on page 2, line 9 through line 26 as rewritten below:

a2
Normally, a driver is arranged in a wireless terminal as a machine code, which the equipment manufacturer already includes in the terminal's software at the production stage. This means that the decisions on which smart card applications will be supported are already made at an early stage and substantially by the equipment manufacturer. Different equipment manufacturers may support different applications or even the same equipment manufacturer's different model generations may support different applications, which increases the diversity of the product range and makes it difficult for a user to decide on the alternatives. The software of a terminal is liable to become obsolete and maintaining software versions requires additional work from all parties of the service. In some more advanced models (e.g. NOKIA ® 9110 Communicator), there is a possibility of afterwards downloading machine code into the terminal's memory, but in this kind of solution one would correspondingly end up maintaining data on each equipment manufacturer's way of arranging the downloading of the code afterwards. As for a new service provider, an arrangement according to prior art is inconvenient because, in addition to the actual client sales, the service

a² provider has to see to it that as many equipment manufacturers as possible are willing to support the service in question.

Please replace the paragraph beginning on page 5, line 15 through page 6, line 4 as rewritten below:

a³ The block diagram in Figure 2 illustrates a wireless terminal that is used as a client. In the presented embodiment, a mobile station is used as a terminal without restricting the invention to the equipment type or terms used. The terminal can be any wireless communication means, such as, e.g. a duplex pager; a wireless PDA (Personal Digital Assistant); a WLAN terminal (Wireless Local Area Network) that uses Internet Protocol (IP); or a portable computer, which is equipped with a mobile network card that comprises an antenna to be added to the equipment port. The mobile station shown as block diagram in Figure 2 contains a radio unit for communication over the radio path, which comprises a transmitter branch (comprising functional blocks that carry out channel coding, interleaving, encryption, modulation and transmission) 21, known from a conventional mobile station, a receiver branch (comprising functional blocks that carry out reception, demodulation, decryption, de-interleaving, as well as channel decoding) 22, a duplex filter 23 that separates reception and transmission for transmission that takes place over the radio path, and an antenna 24. A central unit 25, which also implements the terminal's functionalities according to the communication protocol, controls the operation of the terminal in full. The mobile station comprises a memory ~~26~~27, which contains volatile and non-volatile memory, and an interface unit ~~27~~28, which comprises one or more equipment ports for coupling internal or external accessories to the mobile station. For communication with the user, the terminal comprises a user interface 29, which

a³ typically contains a keyboard; a display; a microphone; and a speaker. In connection with smart card applications, the interface unit 2728 comprises a card reader through which the central unit 25 communicates with the card placed in the reader. The connection to a server is implemented through the radio unit 21, 22, 23, 24. The central unit 25 controls the implementation of the smart card application by carrying out the functions arranged in the device's memory 2627 programmable or by means of hardware structures, and preferably the functions of the application code downloaded from the server into the terminal.
